🕶ate:

Friday, 04/04/2008 9:22:15 AM

User: Julie Lecocq

## **Process Sheet**

Customer Job Number : CU-DAR001 Dart Helicopters Services

: 38403

**Estimate Number** 

: 10377

P.O. Number

Prsht Rev.

First Issue

This Issue

: 04/04/2008

: NC

: // : 38402

Type

S.O. No. :

: PURCHASED PARTS

**Part Number** 

**Drawing Name** 

: D2890

**Drawing Number** 

: D2890 REV B

: AFT CROSSTUBE

**Project Number** : B

: N/A

**Drawing Revision** 

Material **Due Date** 

: 30/04/2008

Qty:

1 Um:

Each

Written By

**Previous Run** 

Checked & Approved By

Comment

: Est. D

05.03.21

Removed Bending procedures KJ/JLM

**Additional Product** 

Job Number:



Seq. #:

**Machine Or Operation:** 

Description:

1.0

D6008180

Crosstube extrusion

1.0000 Each(s)/Unit

Total:

1.0000 Each(s)

Pick: Qty

BENDING

1

Comment: Qty.:

Part#

Description D6008-180 Crosstube extrusion

BENDING MACHINE - SKIDTUBES

2.0



Comment: BENDING MACHINE

1-Bend D2890 as per Dwg D2890 and Folio FT002

DIMENSIONAL CHECK



3.0

Comment: DIMENSIONAL CHECK

SKIDTUBES 1

SKIDTUBESS RESOURCE 1

4.0

Comment: LANDING GEAR RESOURCE 1

1-Deburr and Polish

5.0

HAND FINISHING RESOURCE #1



HAND FINISHING1

Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

Page 1

Form: rprocess

Dart Ae	rospace	Ltd							
W/O:			WC	RK ORDER CHANG	ES				
DATE	STEP	PROCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Dort No.		DAD #-	Fault Cata		NCD: Voc	Na DO	Δ.	Data	
Part No		PAR #:	Fauit Cate(	Jory:				_ Date: _ _ Date: _	
			WORK ORDE	ER NON-CONFORMA			u	_ Date	
NCR:			WORK ORDI		(140E (140))	· <i>)</i>			_
DATE	STEP	Description of NC	Description of NC Corrective Action			_     Verifi	ication	Approval	Approval
DATE		Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		Section C	Chief Eng	QC Inspector

NOTE: Date & initial all entries

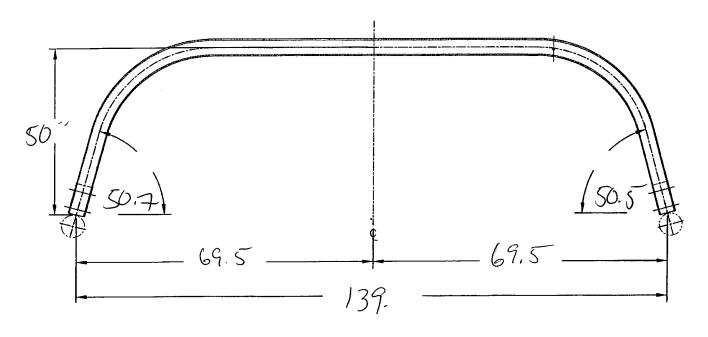
Friday, 04/04/2008 9:22:15 AM Date: User: Julie Lecocq **Process Sheet** Drawing Name: AFT CROSSTUBE Customer: CU-DAR001 Dart Helicopters Services Part Number: D2890 Job Number: 38403 Job Number: Seq. #: **Description: Machine Or Operation:** INSPECT POWDER COAT/CHEMICAL CONVERSION QC3 6.0 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE #1 7.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: W/0 38358 QC21 8.0 08/27/24 JJ NVF 08-07-24 Comment: FINAL INSPECTION/W/O RELEASE Job Completion

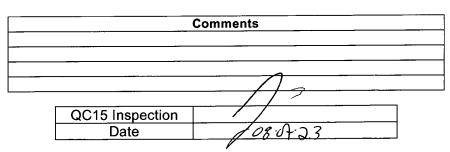
Dart Ae	rospace L	td						
W/O:		· · · · · · · · · · · · · · · · · · ·	WC	ORK ORDER CHANG	ES			
DATE	STEP	PROCEDURE CHANGE			Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							:	
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQA:	Date: _	
					QA: N	/C Closed:	Date: _	
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCR	)		
DATE	STEP	Description of NC Section A	Initial	Corrective Action Section Action Description	Sign &	Verification Section C	Approval Chief Eng	Approval QC Inspector
			Chief Eng	Chief Eng	Date			

NOTE: Date & initial all entries

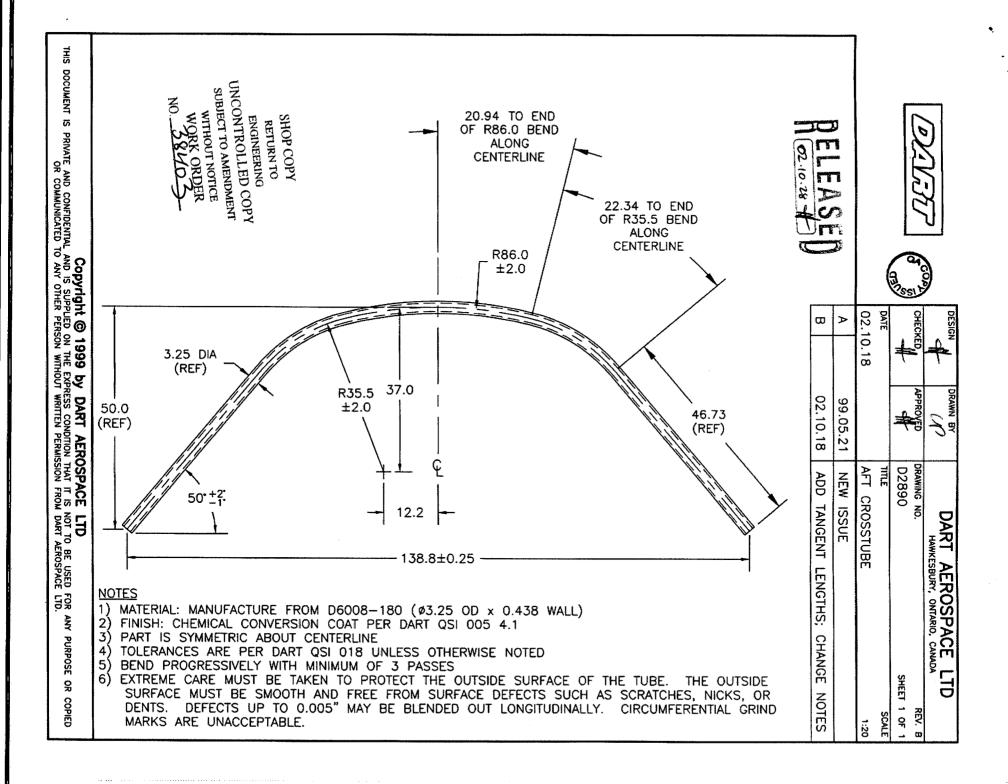
DART AEROSPACE LTD		Work Order:	38403
Description: Crosstube Aft		Part Number:	D2890
Inspection Dwg: D2890	Rev: B		Page 1 of 1

Required Dimension	Min .	Max
Height	, 49.875	50.125
1/2 Span	69.275	69.525
Angle	49	52
Total Span	138.55	139.05





Rev	Date	Change	Revised by	Apprøved
Α	07.02.06	New Issue	KJ/JM	/r~

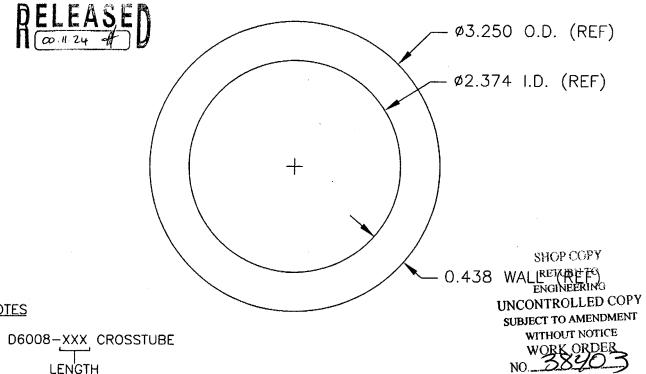






	DESIGN (P	DRAWN BY	DART AEROSPACE HAWKESBURY, ONTARIO, CANADA	
ſ	CHECKED	APPROVED	DRAWING NO.	REV. A
١	91	H	D6008	SHEET 1 OF 1
ſ	DATE		TITLE	SCALE
┙	00.11.17		CROSSTUBE MATERIAL	1:1
	Α	00.11.17	NEW ISSUE	

## SPECIFICATION CONTROL DRAWING



NOTES

1) D6008-XXX CROSSTUBE

WHERE XXX IS LENGTH IN INCHES EG. 180" LONG TUBE: D6008-180

2) MATERIAL:  $3.250 \text{ OD } \times 0.438 \text{ WALL } 7075-T6/T6511 (WW-T-700/7 OR QQ-A-225/9 OR$ QQ-A-200/11) SEAMLESS ALUMINUM TUBE.

MINIMUM ULTIMATE TENSILE STRENGTH = 77 ksi MINIMUM YIELD TENSILE STRENGTH = 66 ksi

3) TOLERANCES ARE PER ASTM B210 AS FOLLOWS:

O.D.: ± 0.008 MEAN (±0.016 INCLUDING OVALITY) WALL: ±0.020 MEAN (±0.044 INCLUDING ECCENTRICITY)

LENGTH: XXX +0.125/-0.000 STRAIGHTNESS: 0.010" DEVIATION / 12" LENGTH

4) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.

5) CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

Copyright © 2000 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.